

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: December 29, 2003

ATTY DOCKET NO.
2003-1261ASERIAL NO.
10/669,701APPLICANT
Takeshi KOYAMA et al.FILING DATE
September 25, 2003GROUP
1646

COPY

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LOW	AA	2002/0055605	5/2002	Yonehama et al.			
LOW	AB	4,034,040	7/1977	Cronin et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ							
	AK							
	AL							
	AM							
	AN							

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

LOW	AO	Database WPI, Section Ch, Week 197124 Derwent Publications Ltd., London, Great Britain; Class E14, AN 1971-41876S XP002256787 & JP 46 021857 A (Showa Denko KK).
LOW	AP	Patent Abstracts of Japan, vol. 1998, no. 06, April 30, 1998 & JP 10 045878 A (Fuji Kasei Kogyo KK), February 17, 1998.
	AQ	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: October 1, 2004

ATTY DOCKET NO.
2003-1261ASERIAL NO.
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Takeshi KOYAMA et al.FILING DATE
September 25, 2003GROUP
1646

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LOW	AA	4,849,544	7/1989	Culley et al.			
LOW	AB	3,352,913	11/1967	Schmitt et al.			
LOW	AC	5,679,860	10/1997	Haas et al.			
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	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
LOW	AJ	0 380 029	8/1990	Europe			
	AK						
	AL						
	AM						
	AN						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

W. W. Powell

DATE CONSIDERED

8/13/06

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